

What is claimed is:

- 1 I. A gear drive housing having at least one continuously variable adjustment system
- 2 with an integral seal carrier for a bearing assembly on a drive shaft that protrudes from
- 3 the housing that comprises:
- 4 a threaded housing bore in the housing;
- 5 a threaded adjustment ring with ring threads that mate the housing bore and a thrust
- 6 surface that constrains a bearing assembly for a drive shaft that protrudes through the
- 7 adjustment ring; and
- 8 at least one shaft seal mating with the drive shaft mounted within the adjustment ring.